

Cervasek, J.

Cervasek, J. Hardening of pistons made of Al-Si-Ni-Mg alloys for diesel engines. p. 52.

Vol. 5, no. 2, Feb. 1957

SLEVARENSTVI

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

SLEVARENSTVI

Vol 5, Nr 7, July, 1957

2

J. Cerváček: Nitration of moulds and their Parts for Die Casting

~~Nitration of Moulds and their Parts for Die Casting~~

The network of cracks on the mould surfaces is caused by thermal and mechanical stresses. The cracks are usually fatigue failures. The formation and spreading of cracks can be delayed and limited by various means which either increase the endurance limit of steels or cancel the effects which decrease this endurance limit. One of these methods which appears to be especially advantageous for moulds is nitration.

MT

CERVASEK, J.

Symposium on damage caused by radiation in solid substances
and reactor materials. Jaderna energie 8 no.10:378-379
0 '62.

CERVASEK, Jiri; KUTKA, Jan

Effect of neutron irradiation on some mechanical and structural properties of austenitic chrome-nickel steels. Jaderna energie 9 no.11: 342-346 '63.

1. Ustav jaderného výzkumu, Československá akademie věd, Rez.

CERVEN, J.; ROHAN, K.

Granulometric measurements of river deposits. p. 76.

Vol. 3, no. 1/2, 1955
VODOHOSPODARSKY CASOPIS
Bratislava, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

CERVEN, J.; ROMAN, K.

Efficient method of calculation of scale for models of streams with
bed movement. p. 89. VODNI HOSPODARSTVI. (Ustredni sprava vodniho
hospodarstvi) Praha. no. 2, Feb. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

GINTER, E.; CERVEN, J.

The effect of experimental C¹⁴avitaminosis on the metabolism of nucleic acids. *Physiol. Bohemoslov.* 11 no.6:529-534 '62.

1. Isotope Department, Institute of Nutritional Research, Bratislava.
(ASCORBIC ACID DEFICIENCY) (RNA) (DNA)

CERVEN, J. (Bratislava, Mytna 49)

~~On a sufficient condition of nonoscillation of the solution of a~~
linear differential equation of the third order. Acta r nat Univ
Com 9 no.11:63-70 '64.

CERVEN, V.

"Soviet experiences in the asbestos cement industry." (p. 313). STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 31, No 11, Nov. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

CERVEN, V.

"Chinese Asbestos", P. 253, (STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (KEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

CERVEN, V.

"Seventieth Anniversary of the Foundation of the Institute of Stone Industry and Sculpture in Horice", P. 254, (STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

CERVEN, V.

"First National Exhibit of the Stone Industry", P. 255, (STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

CERVEN, V.

"Meeting of Representatives of the Stone Industry in Horice", P. 256,
(STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

CERVENA, A.

Notes on the problem of solving certain systems of inequalities by means of positive numbers.

p. 335 (CASOPIS PRO PESTOVANI MATEMATIKY) Vol. 82, no. 3, July 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

CERVENA, I

6
1-9-8(1/2)

Cleavage of branched tertiary bases. II. Cleavage of some tertiary bases with methyl iodide. R. Lukes, J. Langthaler, and I. Cervena (Vysoka škola chem. technol. Prague). Collection Czechoslov. Chem. Commun. 25, 461-4 (1960) (in German); cf. C.A. 53, 6989d.—Cleavage of aliphatic tertiary bases with MeI to yield olefins occurs in compds. having on the α -C atom at least 1 Me and 1 Et group, while on the β -C atom a min. branching of the C-skeleton is sufficient. Replacing the Et₂O in 3 moles MeMgBr or EtMgBr with C₂H₅, adding to the boiling soln. dropwise in 15-20 min. 1 mole of a dimethyl amide dild. with an equal amt. of C₂H₅, and working up the mixt. as usual gives R¹R²R³CCR₂NMe, (R, R¹, R², R³, b.p., m.p., and m.p. of picrate given): Me, Me, Me, Me (I), 160-2°, 12°, 206-6°; Et, H, H, Me (II), 58-9°/18, —, 206-7°; Et, H, Me, Me (III), 63.5-5.0°/12, —, 162-3°; Et, Me, Me, Me (IV), 75.5-8.0°/12, 35°, 163°; Me, H, Et, Et (V), 60-70°/13, —, 171°; Et, H, Et, Et (VI), 106°/12, —, 131°. Me-CHCMeEtNMe, (VII) is obtained similarly in 25% yield from 172 g. MeI, 29 g. Mg, 300 ml. Et₂O-C₂H₅, and Me-CHCONMe, with 57.1 g. MeI in 90 ml. C₂H₅, and the reaction completed by refluxing the mixt. 4.5 hrs. with stirring to give base, b. 163-5°; picrate m. 212° (decompn.) (H₂O). Et₂CHCONMe, is obtained in 45.6% yield from 90 g. aq. NHMe, and 51.3 g. Et₂CHAc, b. 87-8°. III (20 g.) let stand 7 days with 25 ml. MeI, the salts filtered off, from the filtrate distd. the Et₂O and MeI, and the residue distd. 3 times over Na gives 3.8 g. mixt. of isomeric olefins, b. 105-14°. Similar treatment of II with a 3-mole excess of MeI followed by liberation of the bases with a double equiv. of aq. suspension of Ag₂O and subsequent distn. at bath temp. 160-80° gives Et₂C:CHMe as an individual product, whereas I, V, and VII yield in each case a mixt. of olefins. IV and VI are not subjected to the reaction with MeI.

L. J. Urbanek

BAYER, R.; CERVENA, J.; DLOUHY, Z.; SCHAFERLINGOVA, W.

Measurement of diffusion constants in light water by the impulse method. Cs cas fys 11 no.6:480-488 '61.

1. Ustav jaderného výzkumu, Československá akademie věd, Rez.

(Nuclear physics)

CERVENA, Marketa

Problem of labor productivity and drawing from the wage funds
in the building industry. Prace mzda 11 no.8:371-373 Ag '63.

1. Planovacka druzstva Instalace.

39616

S/194/62/000/004/045/105
D201/D308

9.2150

AUTHOR: Červenák, Ján

TITLE: Selenium rectifying elements and the method of their production

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-4-19v (Czechosl. pat., cl. 21g, 11/02, no. 97454, 15.11.60)

TEXT: A selenium rectifier in which the semiconductor layer is placed between two identical metals, is proposed. In the usual selenium rectifier the layer of Se is placed between two different metals, so that 2 barrier layers, opposing each other, are formed. Such a system has the disadvantage in that it does not allow rectification of small voltages (less than 0.5 - 0.7 V). In R the mutual compensation of both barrier layers at the semiconductor-metal boundary may be avoided by a special alloying method: One of the barrier layers may be strengthened by introducing some impurity in the form of an element from the III group of the periodic system

Card 1/2

Selenium rectifying elements ...

S/194/62/000/004/045/105
D201/D308

(e.g. tallium) and the other may be weakened by introducing an element of the V or VIII group (e.g. bismuth). The thicknesses of metallic layers separating the semiconductor from the contacting electrodes, are different - the thickness of the metal layer at one side is 20 - 100 times greater than at the other. / Abstracter's note: Complete translation. 7

4

Card 2/2

23573

Z/039/61/022/004/002/003
E024/E335

9.4/60

AUTHOR: Červenák, Ján, Engineer

TITLE: The Control of the Range and Maximum of Spectral
Sensitivity in Selenium Photocells

PERIODICAL: Slabeproudý obzor, 1961, Vol. 22, No. 4,
pp. 205 - 209

TEXT: Selenium photocells have found wide application in photometry because of the similarity of their spectral sensitivity to that of the human eye. Modern selenium photocells can be produced with controlled spectral sensitivities. Methods for this control are discussed in the present paper. The metal used for the production of the transparent collecting electrode of the photo-electric cell and the method of its deposition influence the properties of the photocell. For instance, a photocell with an evaporated anode shows higher sensitivity in the red and infra-red regions as compared with the sensitivity of a photocell with a sputtered anode. Vacuum-sputtered anodes,
Card 1/7



The Control of

Z/039/61/022/004/002/003
EO24/E335

on the other hand, give higher e.m.f.'s. Various methods of forming the p-n junction (Ref. 1 - Dietzel, G, G8rlich, P. and Krohs, A., Jenaer Jahrbuch I, 1959, pp. 203-257; Ref. 3 - Kučera, L., Czechoslovak. patents 89651 and 90061, 1959) also determine the spectral sensitivity, e.g. a layer of a different metal deposited between the collecting electrode and the selenium usually leads to a single peak in the spectral sensitivity curve. Beside the single-peaked curves, double-peaked curves or even multi-peaked curves can be achieved. In addition to the main maximum between 5 550 and 5 700 Å, a second maximum at 7 100 Å or at 7 900 - 8 000 Å may exist. Such cells are better matched to the emission of a light source of 2 850 °K. In single-peaked photocells, the sensitivity lies between 3 000 and 7 800 Å, while in double-peaked cells, the spectral response can be extended from 3 000 - 9 000 or even 10 000 Å. Such cells are made by the deposition of a thin layer of a metallic selenide between the main selenium layer and the collecting electrode.

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23573

Z/039/61/022/004/002/003

E024/E335

The Control of

A selenium photocell in which the p-n junction is formed between the p-type selenium layer and an n-type CdO layer also has two maxima in the spectral sensitivity curve. Another parameter in the production of selenium photocells is the purity of the selenium layers themselves. This method of control is satisfactory only in multilayer selenium systems (Ref. 5 - J. Červenák, Czechoslovak patent 95996, 1960). The doping can be in the region of 5-25%. In such multilayer cells, high integral sensitivity can be obtained without loss in internal resistance. Such a cell is formed by applying a layer destroying the rectifying effect between the basic metallic electrode and the first selenium layers.

This first selenium layer contains about 10^{-4} % impurities. A second highly doped selenium layer is deposited on the first. After thermal treatment of both layers, a layer improving the junction properties between the second selenium layer and the top transparent collecting electrode is deposited. The percentage of impurities determines the spectral response
Card 3/7

23573

Z/039/61/022/004/002/003

E024/E335

The Control of

of the cell. Fig. 3 shows the spectral response curves of selenium photocells with various degrees of doping (Curve 0 - human eye; Curve 1 - selenium photocell with one Se layer, $S = 10^{-4}\%$; Curves 2 - 5 - selenium photocells with two selenium layers, $S = 10, 15, 20$ and 25% , respectively) to a cell in which an additional diffusion process of a metal from the fifth column of the periodic table has been carried out. The paper further discusses some methods of measuring the photo-electric current, the internal resistance and the photo-electric voltage of selenium photo-cells. Table 2 gives the integral sensitivity of selenium photo-cells. Fig. 5 shows the dependence of the photo-current on illumination (up to 50 lux) for various types of photo-cells and shows that the two layer cells are considerably more sensitive than single-layer cells (Curve 1 - selenium photocell with one selenium layer, $S = 10^{-4}\%$; Curves 2-5 - selenium photocell with two selenium layers, $S = 10, 15, 20$ and 25% , respectively).

Card 4/7

23573

Z/059/61/022/004/002/003
E024/E335

The Control of

There are 6 figures, 2 tables and 5 references: 3 Czech
and 2 non-Czech.

ASSOCIATION: ČKD Modrany, n.p., Výzkum usměrňovačů,
Běchovice (ČKD Modrany, Rectifier Research,
Běchovice)

SUBMITTED: February 28, 1960

Card 5/7

24281

Z/017/61/050/009/001/002

D219/D304

7.2150

AUTHOR: Červenák, Jan, Engineer

TITLE: Contribution to a new technology which reduced the losses of selenium rectifiers

PERIODICAL: Elektrotechnický obzor, v. 50, no. 9, 1961, 483-487

TEXT: The author gives a detailed description of selenium-rectifier characteristics and suggests a novel semi-symmetrical selenium-rectifier arrangement with the very low threshold of 0.23 V which allows the conductivity of the Se-layer to be increased and reduced losses. The semi-symmetrical Se-disc is a multi-layer combination of the non-rectifying symmetrical arrangement, in which the Se layer is surrounded by two electrodes of the same metal, and the rectifying asymmetrical arrangement in which the Se layer is surrounded by two electrodes of different metals. This semi-symmetrical system has the advantage that its losses are not dependent on the threshold voltage (i. e. the voltage which must be applied to overcome the initial electrical resistance of the Se disc), and it is, therefore, distinguished by

Card 1/ 3

24281

Z/017/61/050/009/001/002
D219/D304

Contribution to a new...

large rectifying properties and low threshold voltages. The individual layers are arranged in the following way: The electrode of the basic metal (Me_1) carries the selenium layer which is coated by a thin layer of the basic metal (Me'_1) which, in turn, is covered by an electrode of another metal (Me_2). The characteristics (rectifying effect, threshold voltage, etc.) of such semi-symmetrical Se discs can be influenced by the choice of metals (Me_1 and Me_2) and by the thickness of the semi-symmetrical layer (Me'_1). A comparison of volt-ampere curves of different semi-symmetrical Se rectifier types shows coincident forward characteristics, but different inverse characteristic: The thinner the semi-symmetrical layer Me'_1 , the more the inverse characteristic resembles that of a "pure" $Me_1 - Se - Me_2$ system. Since the threshold voltage can be reduced to 0.23 V, rectification or, eventually, stabilization can already start at this voltage which makes semi-symmetrical Se rectifiers competitive with Ge and Si rectifiers and allows copper-oxide rectifiers to be replaced in measuring techniques. There are 11 figures, 2

Card 2/3

24281

Z/017/61/050/009/001/002
D219/D304

Contribution to a new...

tables and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: ČKD Modřany, n. p. výzkum usměrňovačů, Běchovice
(ČKD Modřany, National Enterprise, Rectifier
Research, Běchovice)

SUBMITTED: December 20, 1960

Card 3/3

CERVENAK, J.; MARCIN, M.

Spheric and semi-spheric selenium photometers. El tech cas 13 no. 3:
188-191 '62.

CERVENAK, J.; MARCIN, M.

Problem of Hall generators prepared by vacuum steaming.
El tech cas 14 no.5:300-305 '63.

CERVENAK, Jan, inz.; MARCIN, Michal, inz.

Indium antimonide Hall probes prepared by vacuum sputtering.
Slaboproudý obsor 24 no.8:439-444 Ag '63.

1. Československá akademie věd, Elektrotechnický ústav Slovenské akademie věd, Bratislava.

ACC NR: AP6031558

SOURCE CODE: CZ/0039/65/026/009/0544/0549

AUTHOR: Cervenak, Jan (Engineer)

ORG: CSAV; Institute of Electrical Engineering, SAV, Bratislava (Elektrotechnicky ustav SAV)

TITLE: Problems of preparing thin InSb semiconductor films from the viewpoint of optimum galvanomagnetic properties

SOURCE: Slaboproudy obzor, v. 26, no. 9, 1965, 544-549

TOPIC TAGS: semiconducting film, vapor condensation, single crystal, polycrystal, indium alloy, antimony alloy

ABSTRACT: The article discusses the state of the art in preparing thin InSb semiconductor films. The thin film criterion is discussed, as well as its consequences for the physical parameters R_H , μ and σ . For the vapor condensation method, the temperature range is stated in which the thin films must be heat-treated to make the semiconductive phase predominant. It is shown that to achieve the parameters R_H , μ and σ in values comparable with those known from massive single crystals or polycrystals it is necessary to prepare the thin films so that they contain crystals as large as possible, perhaps single crystals. Orig. art. has: 6 figures and 5 formulas. [JPRS]

SUB CODE: 20 / SUBM DATE: 27Apr65 / ORIG REF: 006 / SOV REF: 003

OTH REF: 008

Cord 1/1

UDC: 621.315.592.002.3

0919 0273

CERVENANSKA, NUTA

3

1014
CNC: 8000-5

1. From the activities of the J. B. PIRENNE Czechoslovak Medical Society - The Fifth Regular Session of the Slovak Medical Society, by Doctor Dr. B. BARTA, science candidate; pp 631-635.

2. "TAMU APTAL, Doctor of Sciences and Corresponding Member of the SAV, wrote his Fifth Year Thesis," unassigned; pp 644-645.

3. "Professor P. KASANEK, M. D. is story," by J. BARTA, corresponding member of the SAV; pp 649-650.

4. "The memory of Professor Zdenek HAVRAN," by Doc. CERVENANSKA; pp 651-655.

— 2/2 —

CERVENANSKA, N.; CERVENANSKY, J.

Orthopedics in the publication Casopis Lekaru Ceskych during 1st century of its existence. 100th anniversary of the establishment of Casopis Lekaru Ceskych. Acta chir. orthop. traum. cech. 29 no.4:293-297. Ag '62.

1. Slovensky ustav zdravotnickej osvety v Bratislave, riaditelka dr. D. Bakosova. Ortopedicka klinika Lekarskej fakulty Univerzity Komenskeho v Bratislave, prednosta clen koresp. SAV, prof. dr. J. Cervanansky.

(PERIODICALS)

(ORTHOPEDICS)

(HISTORY OF MEDICINE IX CENT)

(HISTORY OF MEDICINE XX CENT)

ČERVENÁNSKÁ, Ľ.

Czechoslovakia

Slovak Institute of Medical Information -- Bratislava (Slovenský ústav zdravotníckej osvety -- Bratislava); Director: D. BAKOŠOVÁ, Dr.

Bratislava

~~Prague~~, Lekársky Obzor, No 12, 1962, pp 673-681

"The 100th Anniversary of the Foundation of the Czech Medical Association and of the Journal of Czech Physicians and Surgeons."

CERVENANSKA, N.

An unknown orthopedic-traumatological work of a Slovakian physician. Bratisl. lek. listy 45 no.2:113-119 31 Ja '65

1. Slovensky ustav spravotnickej osvety (riaditelka MUDr. D.Bakosova).

CERVENANSKY, J.

Rehabilitation in traumatology and orthopedic surgery. Bratisl.
lek.listy 30 no.11-12:810-825 Nov-Dec 50. (CML 20:5)

1. Of the Orthopedic Clinic of the Medical Faculty of Slovak
University, Bratislava.

CERVENANSKY, J.

CERVENANSKY, J.; ONDREJKA, J.

Results obtained with cortisone Ciba. Cas. lek. cesk. 89 no.
48:1357-1361 1 December 50. (CML 20:4)

1. Of the Orthopedical Clinic of Slovak University, Bratislava
(Head--Prof. Jan Cervenansky, M.D.).

CERVENANSKY, J.; HALUZICKY, M.

Experiences and results of lumbar sympathectomy in the treatment of
sequelae following poliomyelitis. Acta. chir. orthop. traum. cech.
19 no.4-8:114-122 1952.
(CML 23:2)

1. Of the Orthopedic Clinic (Head--Prof. J. Cervenansky, M.D.) of
Slovak University, Bratislava.

CHRVENANSKY, Jan; HALUZICKY, Miroslav

Mobilisation of injured joints. Lek. obsor 3 no.3-4:137-149, 1954

1. Z Ortopedickéj kliniky SU v Bratislave.

(WOUNDS AND INJURIES,

*joints, mobilization)

(JOINTS, wounds and injuries,

*surg. mobilization)

GARSKY, K.; CERVENANSKY, J. Bratislava, Rudnayho 2.

Open and gunshot injuries of the bone. Lek. obser 3 no 5:264-275
1954.

1. 2 I. chirurgickéj a ortopedickéj kliniky SU v Bratislave
(EXTREMITIES, fractures
gun shot & open, ther.)
(FRACTURES
extremities, gun shot & open, ther.)

CERVENANSKY, J. (Bratislava, Hlboka 4)

Physiological criteria in skeletal diseases of children. Lek.
obzor 3 no.9:481-491 1954.

1. Z ortopedickej kliniky SU v Bratislave.
(BONES, diseases,
in inf. & child, physiol. factors in diag. & ther.)

GERVENANSKY, J. (Bratislava, Hlboka 4)

Notes on spinal traumatism. Lek.obzor 3 no.10:579-583 1954.

1. Z ortopediskej kliniky v Bratislave.
(SPINE, wounds and injuries,
diag. & ther.)

CERVENANSKY, Jan, prof.

Physiology and physiopathology of unions of the bone following fractures. Acta chir orthop Cs 21 no.1:1-8 F '54. (REAL 3:8)

1. Z ortopedickej kliniky SU Bratislava, prednosta prof. Dr Jan Cervenansky.

(FRACTURES,

*union of bones after fract., physiol. & physiopathol.)

CERVENANSKI, J.; KINDERMAY, S.

Surgical findings in hernias of lumbar intervertebral disks.
Acta chir orthop Cs 21 no.2:58-64 Ap '54. (REAL 3:8)

1. Z Ortopedickej kliniky SU v Bratislave. Prednosta: Prof.
Dr Jan Cervenansky.

(INTERVERTEBRAL DISK DISPLACEMENT, surgery,
*lumbar, statist. analysis)

CERVENANSKY, J., Prof. Dr.

Working conference of Czechoslovak association for orthopedical
surgery and traumatology at Vyšné Hazy. Acta chir, orthop. traum.
czech. 21 no.5-6:133-135 Dec 54.

(WOUNDS AND INJURIES

traumatol. in Czech., conf.)

(ORTHOPEDICS

in Czech., conf.)

CERVENANSKY, J.; KINDERMAY, S.; HALUZICKY, M.

**Problem of fractures of the proximal end of the femur. Bratisl.
lek. listy 34 no.8:863-869 Aug 54.**

**1. Z Ortopedickej kliniky LFŠU v Bratislave, prednosta prof. Dr
J.Cervenansky.**

**(FEMUR, fractures,
proximal end)**

**(FRACTURES,
femur proximal end)**

CERVENANSKY, Jan

Considerations on surgical treatment of Bechterew's disease.
Acta chir. orthop. traum. cech. 22 no.4:126-134 July 55.

1. Z Ortopedickéj kliniky lek. fakulty Komenského university,
Bratislava. Prednosta: clen korespondent SAV-U: Prof. Dr.
Jan Cervenansky.

(SPONDYLITIS, ANKYLOSING, surgery.)

CERVENANSKY, J.

Bone tumors. Acta chir. orthop. traum. cech. 22 no.5:
170-175 Sept 55.

(BONES, neoplasms
diag. & surg.)

EXCERPTA MEDICA Sec.9 Vol.11/11 Surgery Nov 57
CERVENANSKY J.

5602. (1184) CERVENANSKY J. Orthop. Clin., Med. Fac., Comenius Univ.,
Bratislava. *Notes on the surgical treatment of M. Ström-
pell-Marie-Bechterev REV.CZECH.MED. 1956, 2/3 (193-204)
Illus. 15

Posterior spinal osteotomy, according to the author's personal modification, was carried out in 8 patients with ankylosing spondylarthritis and resultant severe kyphosis. In 6 cases the operation had a very favourable effect on the deformity. In spite of the fact that in 2 cases compression of the cauda equina and the roots developed as a complication, this operation is justified in the surgical treatment of m. Bechterev. Wedge or butterfly osteotomy in one or 2 planes is not a complicated operation, but it must be carried out gently and carefully. A certain risk of complications must be taken into account and these should be avoided or brought thoroughly under control.

CERVENANSKY, Jan, Prof., Dr.

Agensis of the caudal part of the spinal column with severe congenital abnormalities of the lower extremities. Acta chir. orthop. traum. cech. 23 no.4:185-190 July 56.

1. Z orthoped. kliniky LFUK v Bratislave. Prednosta kliniky: clen koresp. SAV prof. Dr. J. Cervenansky.

(SPINE, abnormalities,

agenesis of caudal part with multiple abnorm. of leg (Cs))

(LEG, abnormalities,

multiple, with agensis of caudal spine (Cs))

EXCERPTA MEDICA Sec,9 Vol.11/9 Surgery Sept 1957

4489. (905) ČERVENANSKÝ J. and LÁNIK V. Ortop. Klin., Bratislava. *Hodnotenie artroplastiky koxy. Skúsenosti a výsledky zo 135 artroplastik koxy. Evaluation of arthroplasties of the hips. Experiences and results from 135 arthroplasties of the hips BRATISLAVSKÉ LEKÁRS. LISTY 1956, 36/7 (385-400) Tables 8 illus. 6

The evaluation of experiences from 7 yr. in arthroplasties of the hips, namely with vitallium caps, ossacrylate prostheses, and also with osseocartilaginous transplantations. More than 70% of 122 patients reported personally for control examinations. Results of the examinations are computed in 8 synoptic tables. Subjectively satisfied with the vitallium caps were 48% and objectively good were 50%. Subjectively satisfied with ossacrylate prosthesis were 72%, objectively well were 60%. Older patients with coxarthrosis were not quite satisfied in 40%. Contrary to that, patients with bony ankylosis, after plastic intervention were content in 50%. Complementary operations (removal of caps, ablation of osteophytes, ileofemoral synostoses and arthrodeses) were performed in 18.4%; 34.4% of the patients walk with one cane, 10% without cane and have no complaints. In the remaining chapters the authors evaluate the experiences in the removal of caps, and draw attention to the metaplasia of the cartilage under the cap on the epiphysis and on the acetabulum as well. They recommend to continue performing arthroplasties of the hips by the method mentioned. However, the selection of indications should be very strict. They call for more careful examination of the CNS because the testing of muscles and joints is predominantly a morphological evaluation. It is necessary to improve not only the techniques but also the form of caps and their proper fixation.

EXCERPTA MEDICA Sec.16 Vol.6/2 Cancer February 55

CERVENANSKY J.

384. *Neoplasms of the spine* Novotvary chrbtice. CERVENANSKY J. Ortop. Klin., Lek. Fak., Univ. Komenského, Bratislava *Bratislavski lekars. Listy* 1957, 1/12 (728-737) Illus. 8

100 patients were treated in a period of 12 yr. The series consisted of genuine bone tumours 46%, malignant epidural and subdural tumours 10%, neoplasms of the spinal cord and similar affections (removed) 41% and teratoid tumours of the sacrum 3%. The best result was noted in surgical treatment of genuine tumours of the spinal cord. In epidural and subdural malignant tumours a good result was achieved for a short period after operation in 30% of cases. Metastases as well as primary malignant osseous tumours are not suitable for surgical treatment. Chordomata which represented 2% of all tumours of the backbone had been treated as rheumatic affection, or as spondylitis before the surgical intervention. A very good result was achieved by surgical treatment of benign osseous tumours associated with severe radiculitis.

EXERCITIA MEDICA DEC 10 VOL 7/4 Cancer APR 59

1396. **Clinical problems of skeletal newgrowths in childhood** Klinische Probleme im Zusammenhang mit Neubildungen am Skelett im Kindesalter ČERVENANSKÝ J. Orthop. Klin., Komenský-Univ., Bratislava *Neoplasma* 1958, 5;2 (180-192) Illus. 18

In the course of the last 14 yr., 82 cases of primary malignant tumours of osteogenic and extraosseous type were treated in the above-mentioned orthopaedic clinic. Of these patients, 22 (26%) were children. Pain is the main symptom; in 32% of the children, the diagnosis of an inflammatory process had previously been made elsewhere. In 14 cases (64%) there was a clinically distinct demonstrable swelling. The symptomatology and treatment of various types of tumours are discussed on the basis of case reports. Good illustrations; no new points of view.

CHERVENANSKI, Prof. [Červeňanský, J.]

Tumors of the spine. Chirurgia, Sofia 11 no.3:201-207 Mar 58.

1. Universitetska klinika po ortopedia--bratislava. Direktor: PROF LA.
N. Chervenanskii.

(SPINE, neoplasms
classif. (Bul))

~~CERVENA, J.~~

Clinical problem of malignant growths of bone in children. Acta chir.
orthop. traum. cech. 25 no.2:86-100 Apr 58.

1. Ortopedika klinika Komenského university v Bratislave, prednosta
clen koreap. SAV. prof.

(BONE AND BONES. neoplasms
in child., clin. aspects (Cs))

CERVENANSKY, J.; KOSSEY, P.

Ewing's sarcoma. Neoplasma, Bratisl. 6 no.3:327-335 1959.

1. Orthopedic Clinic, Faculty of Medicine, Komensky University,
Bratislava Oncological Research Institute, Bratislava, CSR.
(SARCOMA EWING'S)

CERVENANSKY, J.

CHERVENYANSKIY, Ya.: [Cervenansky, J.]; KOSSEY, P.

Ewing's sarcoma. Ortop.travm. i protes. 20 no.6:27-31 Jg '59.

(MIRA 13:3)

1. Is ortopedicheskoy kliniki (zaveduyushchiy - chlen-korrespondent Slovatskoy akademii nauk Ya. Chervenynskiy) meditsinskogo fakul'teta Universiteta im. Komenskogo i Onkologicheskogo issledovatel'skogo instituta (zaveduyushchiy - chlen-korrespondent Slovatskoy akademii nauk V. Turso), Bratislava.

(SARCOMA, EWING'S, surg. (Rus))

CERVENANSKY, J.

Care in dysplasia and congenital luxation of the coxa in Slovakia.
Certain factors of the problem. Acta chir. orthop. traum. cech.
26 no.5-6:426-431 Nov 59.

(HIP, abnorm.) (HIP, fract. & disloc.)

CERVENANSKY, J.

2 Methods of femur reconstruction. Roshl. chir. 38 no.4:230-236 Apr 59.

1. Z Ortopedickej kliniky Lekarskej fakulty UK v Bratislave. Prednosta:
prof. dr. Jan Cervenansky.

(FEMUR, surg.

reconstruction methods (Cs))

EXCERPTA MEDICA Sec 9 Vol 13/a Surgery Sept. 50

4808. (1108) FIRST EXPERIENCES WITH THE CAPSULAR ARTHROPLASTY IN INVETERATE CONGENITAL HIP JOINT DISLOCATIONS - Prvé skúsenosti s kapsulárnou artroplastikou pri inveterovaných kongenitálnych luxáciách koxi - Cerveňanský J. Ortop. Klin. Lék. Fak. Univ. Komenského, Bratislava - BRATISL. LÉK. LISTY 1950, 30(1)/6 (325-328)

A report on 18 cases in 15 of which the preliminary postoperative results were very good and good, in 3 satisfactory; in one patient the result was bad. Colonna's operation in its original conception or in some of its modifications has well-grounded indications in clinical practice.

CERVENANSKY, J.

The knee and its surroundings from an oncological point of view.
Tumors in the region of the knee joint. . Neoplasma, Bratisl.
7 no.2:217-224 '60.

1. Orthopädische Klinik, Medizinische Fakultät, Komensky-Universität,
Bratislava, CSR.
(KNEE neopl)'

CERVENANSKY, Jan

Certain considerations on intra-articular tumors related to the so-called rheumatic infections. Acta chir. orthop. traum. cech. 27 no.2:124-130 1960.

1. Ortopedická klinika lek. fak. UK Bratislava, prednosta clen koreap. SAV prof. MUDr. J. Cervenansky.

(JOINTS neopl.)

(ARTHRITIS RHEUMATOID)

~~Source: U.S.~~
~~Source: Given Name~~

Country: Czechoslovakia

Academic Degrees: MD, university professor, academician

Affiliation:

Source: Prague, Rozhledy v Tuberkulose a v Nemocich Plicnich, No 4, Apr 61, pp 316-320

Data: "National Conference on Osteoarticular Tuberculosis."

Co-authors:

POLIVKA, D., university docent, MD.

HOPEE, V., chief physician (primar), MD.

BARTHA, E., chief physician, MD.

BLOUDEK, F., LL.D.

GPO 981643

CERVENANSKY, J.; MAKOVICKY, V.

Our criteria in roentgen diagnosis of osteogenic sarcoma. Neoplasma
8 no.4:445-452 '61.

(SARCOMA OSTEOGENIC radiography)
(BONE AND BONES neoplasms)

~~CERVENANSKY, J.~~; MAAR, D.

A contribution to lateral vertebrotomy of the spine in tuberculous spondylites. Acta chir.orthop.traum.czech. 28 no.3:164-172 Je '61.

1. Ortopedická klinika lekárskej fakulty UK v Bratislave, predn. prof. dr. Jan Cervenansky Krajska nemocnice pre tuberkulozu v Podunajských Biskupiciach, predn. MUDr. S. Virsik.

(TUBERCULOSIS SPINAL surgery)

CERVENANSKY, J.

Some traumatic and non-traumatic lesions of the proximal femoral end in children. Acta chir. orthop. trauma. Cech. 28 no.6:473-485 D '61.

1. Ortopedická klinika Lékařské fakulty UK v Bratislava, prednosta
clen koresp. SAV prof. dr. Jan Cervenansky.
(FEMUR fract & disloc)

CERVENANSKY, J.

CZECHOSLOVAKIA

no academic degree indicated

Orthopedic Clinic, Medical Faculty, Comenius University (Ortopedická klinika
lékařské fakulty University Komenského) Bratislava; Director: corresp. member
SAV, Prof. J. Cervenansky MD, and Oncological Research Institute (Vyskumný
ústav onkologický) Bratislava; Director: corresp. member SAV, docent V. THURZO

Bratislava, Bratislavské Lekárske Listy, No 8, Oct 62, pp 465-478.

"Aneurysmal Bone Cysts"

Co-author:

KOSSEY, J. same as above

CERVENANSKY, JAN

CHERVENYANSKIY, Jan [Cervenansky, Jan], prof. (Bratislava, Chekhoslovakiya
ul. Bozheny Nemtsovoy, d.2)

Posterior osteotomy of the spine in severe kyphoses after Bechterew's disease. Ortop., travm. i protez. 23 no.5:8-11 Mr '62.

(MIRA 15:11)

1. Iz ortopedicheskoy kliniki (sav. - cheln-korrespondent
Slovatskoy akademii nauk Jan Chervenianskiy) meditsinskogo fakul'-
teta Universiteta im. Y.A. Komenskogo v Bratislave.

(SPINE—DISEASES)

(OSTEOTOMY)

CERVENANSKA, N.; CERVENANSKY, J.

Orthopedics in the publication Casopis Lekaru Ceskych during 1st century of its existence. 100th anniversary of the establishment of Casopis Lekaru Ceskych. Acta chir. orthop. traum. cech. 29 no.4:293-297. Ag '62.

1. Slovensky ustav zdravotnickej osvety v Bratislave, riaditelka dr. D. Bakosova. Ortopedicka klinika Lekarskej fakulty Univerzity Komenskeho v Bratislave, prednosta clen koresp. SAV, prof. dr. J. Cervanansky.
(PERIODICALS) (ORTHOPEDICS)
(HISTORY OF MEDICINE IX CENT) (HISTORY OF MEDICINE XX CENT)

CERVENANSKY, J.

Contribution to posterior osteotomy of the spine in severe post-Bechterew's kyphoses. Acta chir. orthop. traum. cech. 29 no.5: 448-454 0 '62.

1. Ortopedická klinika Lékařské fakulty Univerzity Komenského v Bratislavě, přednosta prof. dr. J. Cervenansky.
(SPONDYLITIS ANKYLOSING) (KYPHOSIS)

CERVENANSKY, J.; SVOLIK, A.

Comments on the surgical treatment of scoliosis. Acta chir. orthop.
traum. cech. 29 no.5:455-456 0 '62.

1. Ortopedická klinika Lekárskej fakulty UK v Bratislave, prednosta
prof. dr. J. Cervenansky.
(SCOLIOSIS)

CERVENANSKY, J.

Studies on the physiology of the bone tissue. Bratisl. lek. listy
42 no.1:43-48 '62.

1. Z Ortopedickej kliniky Lek. fak. Univ. Komenského v Bratislave,
prednosta clen korespondent SAV J. Cervenansky.
(BONE AND BONES physiol)

CERVENANSKY, J.; SKROVINA, B.

Controversial problems in the diagnosis of bone tumors and similar bone lesions. Bratisl. lek. listy 42 no.9:535-547 '62.

1. Z Ortopedickéj kliniky Lek. fak. Univ. Komenského v Bratislave, prednosta elen korezp. SAV J. Carvenansky.

(BONE DISEASES diag) (BONE AND BONES neopl)

CERVENANSKY, J.; SKROVINA, B.; MAAR, D.

Use of fibular bone grafts in reconstructive surgery. Chir. narząd.
ruchu ortop. pol. 27 no.3:297-307 '62.

1. Z Kliniki Ortopedycznej Uniw. Komenského w Bratysławie Kierownik:
Čsl. koresp. Stow. Akad. Nauk prof. dr J. Cervenansky.
(BONE TRANSPLANTATION) (FIBULA)

CERVENANSKY, J.; KOSSEY, P.

Aneurysmal bone cysts. Bratisl. Lek. Listy 42 no.8:465-478 '62.

1. Z Ortopedickej kliniky Lek. fak. Univ. Komenskeho v Bratislave,
veduci clen korešp. SAV prof. MUDr. J. Cervenansky, a z Vyskumneho
ustavu onkologickeho v Bratislave, riaditel clen korešp. SAV doc.
MUDr. V. Thurzo.

(BONE CYST)

(ANEURYSM)

CZECHOSLOVAKIA

CERVENANSKY, J.

Orthopedic Clinic LFUK (Ortopedicka klinika LFUK), Bratislava

Bratislava, Lekarsky obzor, No 5, 1963, pp 263-270

"On the Differential Diagnosis of Some Bone Neoplasms and Tuberculosis of the Osteoarticular System."

3

CZECHOSLOVAKIA

CERVENANSKY, J., Prof., MD; KALMAN, E; MAAR, D; MATLOVIC, E.

Orthopedic Clinic LFUK (Ortopedicka klinika LFUK), Bratislava (for all)

Bratislava, Lekarsky obzor, No 5, 1963, pp 295-299

"Spondylotomy in Specific Spondylitis."

CERVENANSKY, J.; KOUDĚLKA, J.

Prof. Dr. V. Chlumsky, founder of the 1st Orthopedic Clinic in
Czechoslovakia (died 1 November 1943). Bratisl. lek. listy 43
no.2:65-68 '63.

(BIOGRAPHIES)

CERVENANSKY, J.

Neoplastic diseases of the spine. I. Benign tumors of the spine.
Bratisl. lek. listy 43 no.2:79-90 '63.

1. Z Ortopedickej kliniky Lek. fak. University Komenskeho v Bratislave,
prednosta clen koresp. SAV J. Cervenansky.
(SPINAL NEOPLASMS) (OSTEOMA) (CHORDOMA)
(HEMANGIOMA) (GIANT CELL TUMOR)

CZECHOSLOVAKIA

CERVENANSKY, J.

Orthopedic Clinic LFUK (Ortopedicka klinika LFUK), Bratislava

Bratislava, Lekarsky obzor, No 5, 1963, pp 311-314

"60-Year Jubileum of the Central Oncological Institute P. A.
Gercena in Moscow."

CERVENANSKY, J.

CERVENANSKY, J.

CSSR

Orthopedic Clinic of the Medical Faculty of Comenius University, Bratislava
(Ortopedická klinika Lek. fak. Univ. Komenského), director: corresp. member
of SAV J. Cervenansky

Bratislava, Bratislavské Lekárske Listy, No 7, 1963, pp 408-423

"Vertebral Tumors II. Malignant Tumors of the Vertebral Column"

PEKAROVIC, Eduard, C.SC. MUDr.; CERVENANSKY, Jan, Univ. prof. MUDr.,
vedecky redaktor; KRATOCHVIL, Milan, doc. MUDr., recenzent; BALEK,
Ferdinand, MUDr.

Rifid myelodysplasia with lumbosacral localization. Lek. prac.
[Biol. lek.] 3 no.5:1-112 '63.

1. Klinika detskej a mozgovej chirurgie, Lekarska fakulta Univerzity
Komenskeho, Bratislava (for Pekarovic).

SKROVINA, B.; Cervenansky, J.; LAMIK, V.; LANIKOVA, V.

Capsular arthroplasty of the hip joint. II. Morphological findings on the normal and dysplastic acetabulum. Bratisl. lek. listy 1 no.11:671-679 '64

Capsular arthroplasty of the hip joint. III. Rehabilitation in residual states after capsular arthroplasty.

1. Ortopedická klinika Lek. fak. Univerzity Komenského v Bratislave; veduci: prof. dr. J. Cervenansky.

CERVENANSKY, J.; MAKAI, F.; SKROVINA, B.

Problems in fractures of the upper segment of the femur, review of our clinical material, failures, current status and prospects for the future. Acta chir. orthop. traum. Cech. 31 no.4:290-303 Ag '64.

1. Ortopedická klinika Lékařské fakulty University Komenského v Bratislavě, (prednosta prof. dr. J. Cervenansky).

CERVENANSKY, J.; KALMAN, E.; MICEK, V.; MAAR, D.; MAKOVICKY, V.;
SKROVINA, B.

Teratogenic influences on chick embryos. Acta chir. orthop.
traum. Cech. 31 no.4:304-312 Ag '64.

1. Ortopedická klinika Lekarskej fakulty University Komenskeho
v Bratislave, (prednosta prof. dr. J. Cervenansky) a Vyskumny
ustav hydinarsky Ceskoslovenske akademie ved. v Ivanke pri
Dunaji (prednosta dr. V. Landau).

CERVENANSKY, J.

Further experiences with lesions of the proximal segment of the femur in children. Bratisl. lek. listy 44 no.4:215-220 31 Ag '64.

1. Ortopedická klinika Lek. fak. Univerzity Komenského v Bratislave, (vedúci člen korešpond. SAV prof. MUDr. J. Cervenansky).

CERVENANSKY , J.; SKROVINA,B.; LANIK, V.; LANIKOVA, V.

Capsular arthroplasty of the hip joint. I. Clinical part.
Bratisl. lek. listy 44 no.9:545-557 '64

1. Ortopedická klinika Lekárskej fakulty Univerzity Komenského v Bratislave; veduci: prof. MUDr. J. Cervenansky.

CERVENANSKY, J.

Bone tumors and similar diseases. Acta chir. orthop. traum.
Cech. 32 no.3:192-208 Je '65.

1. Ortopedická klinika Lékařské fakulty Univerzity Komenského
v Bratislavě (prednosta akademik Slovenskej akademii vied
J. Cervenansky).

CERVENANSKY, J.; KALMAN, E.; MAAR, D.; SKROVINA, B.

Fibular grafts in substituting defects after the resection of tumors and similar conditions. Acta chir. orthop. traum. Cech. 32 no.5:392-396 0 '65.

1. Ortopedická klinika Lekárskej fakulty Univerzity Komenského v Bratislave (prednosta akademik Slovenskej akadémie vied J. Cervenansky).

CERVENCOVICI, Mihail

Combining collective work with personal responsibility. Munca
sindic 6 no.5:5-7 My '62.

1. Presedinte al Comiliului local al sindicatelor, Hunedoara.

ARSENIJEVIC, Milorad; CERVENJAK, Zvonko

Rhenium in molybdenites. Glas Prir muz A 16/17 203-217
'62.

3477. Polarographic determination of selenium in water. A. Cervenka and M. Koubkova (Ceska

and S. has been found that selenium is determined in water by reduction with H_2S and subsequent measurement of the resulting selenium in H_2S solution. In H_2S solution selenium is determined by a current of CO_2 and polarograph from 400 to 600 mV (vs. the S.C.E.) in an atmosphere of CO_2 . The method is applicable to the determination of Se in air by absorbing the air directly in a soln. of Na_2O_2 .

G. GLASER

CERVENKA, B.

"New insulating materials in electrical engineering."

ELEKTROTECHNIK, Praha, Czechoslovakia, Vol. 14, no. 5, May 1959

Monthly List of East European Accessions Index (EEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

CERVENKA, Boh., ins.

Contribution to the design of electric machine winding. El tech
obsor 51 no.11:600-601 N '62.

AUTHOR: Bohuslav Cervenka

TITLE: "Testing the Insulating Systems of the Windings of Rotary Electric Machines, Especially of Those With Large Output"

SOURCE: Prague, Elektrotechnicky Obzor, Vol L, No 8, (Aug 61) p T35-T40.

DESCRIPTION: One of the most important factors of the successful design and construction of electric rotary machines of large output is the correct technical economical designs of the insulating system of the stator windings. This article gives a review of the various basic tests, and methods for the determination of the dielectric characteristics of insulating and evaluation of internal insulation of the generator coils.

CERVENKA, Bohuslav, ins.

Direct-current converters used for measuring. El tech obzor 52
no.2:104-105 F '63.

1. Ustav pro elektrotechniku, Ceskoslovenska akademie ved.

CERVENKA, Bohuslav, inž.

Trends in the European development of electric insulation.
El tech obsor 51 no.8:429 Ag '62.

1. Ustav pro elektrotechniku, Ceskoslovenska akademie ved.

CERVENKA, Bohuslav, inz.

Sheets for magnetic circuits. El tech obzor 51 no.10:543-545 0
'62.

1. Ustav pro elektrotechniku, Ceskoslovenska akademie ved.

CERVENKA, Bohuslav, ins.

Causes of copper cracking and the examination of its hardness.
Elektrotechnik 18 no.3:70-73 Mr '63.

1. Ustav pro elektrotechniku, Ceskoslovenska akademie ved.